

University of Massachusetts Lowell
An EPA EMS/ISO 14001 Pilot Site



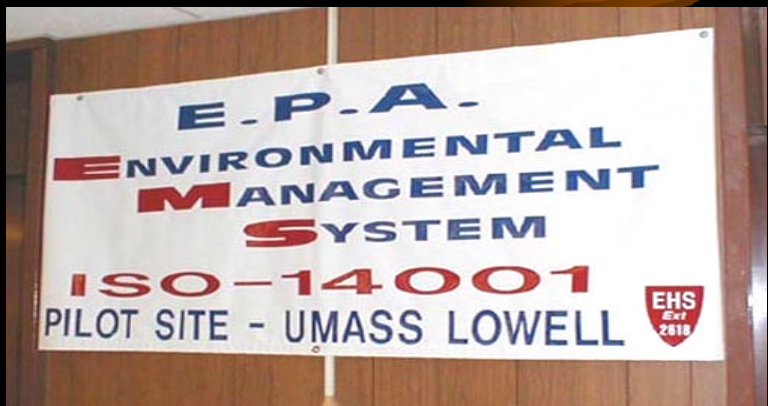
UML's EPA Fence Line
Olney Science Center



Olney Science Center Profile

- Constructed in 1974, as a Chemistry & Science Building.
- 300,000 +/- sq ft.
- 150 +/- wet and dry labs. Main Haz waste storage area.
- Consumes the most energy of all UML buildings.
- 1,500 students, faculty & staff occupy daily.
- **Departments of:** Chemistry, Earth Sciences, Physics, Research Labs, Environ. Health & Safety.

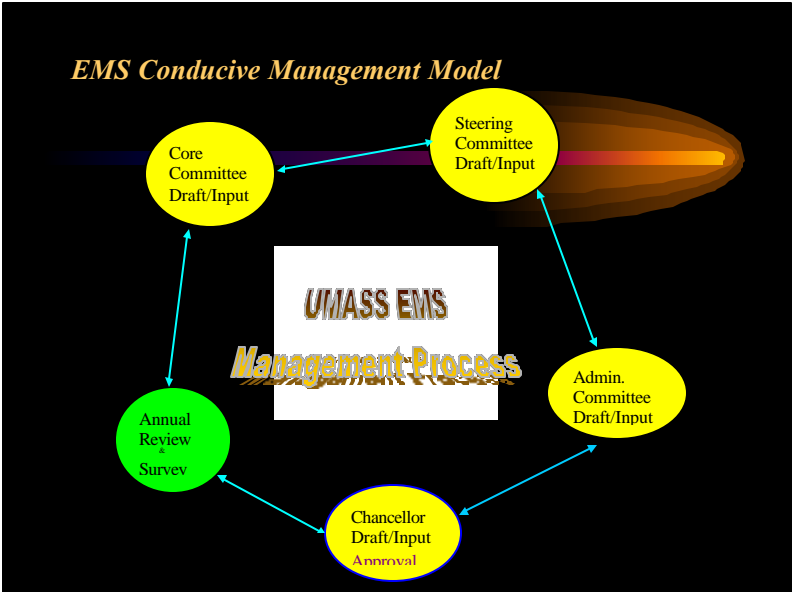
UML’s Building Banner



“Work Together & Build Teams”
EMS PROGRAM INITIATIVES

- Facilitate change as to implement a UML EMS program.
- Facilitate a conducive mgt. model in a lean traditional system.
- To build input & feedback from everyone.
- To build longevity to the EMS program.

EMS Conducive Management Model



Our Road Map to EMS

- Obtained management support.
- Established teams & sought buy in from all.
- Identified our environmental impacts/aspects
- Created an Environmental Policy - “CREST”
- Established objectives and target.
- Implementing our change process.
- Surveying our people & auditing.



“Lessons Learned”



“Lessons Learned at UMass Lowell”

- Understanding the Organizational Structure (what works)
- Commitment & support from top & buy in from teams
- Seeking the volunteers
- Psychosocial effects of people working together for the 1st time.
- Time needed to empower the teams.
- Have food, drinks or snacks for meetings.
- Utilize different presenters and allow the teams to interact.
- End meeting with objectives, a to do list & date for next meeting.
- Respecting the higher education calendar and peoples time.

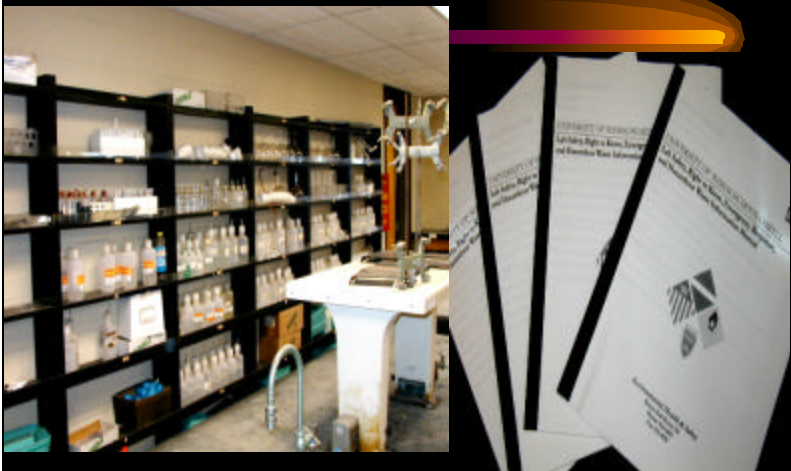
EMS is making a difference !



Generators & Elevators



EMS is making our labs safer



EMS is helping us store chemicals



More EMS Benefits for UMass Lowell

- A management approach that empowers & challenges staff/students.
- Commitment toward environmental sustainability.
- Informs our ed program so students have the latest tools of industries.
- A management tool that incorporates total environmental awareness.
- A system that acknowledges the need for continual improvement.
- Better position of UMass to secure grant and contracts.
- Establishes practices in training, energy conservation, maintenance, capital improvements, sustainability and environmental awareness.

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**EMS TRAINING
INSTITUTE**

HTTP://UML.EDU/EMS

Tel # 978-934-4741

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